```
=> d his

     (FILE 'HOME' ENTERED AT 11:59:43 ON 03 MAY 2003)

     FILE 'USPATFULL' ENTERED AT 12:00:51 ON 03 MAY 2003
L1             4 S SOMATOSTATIN(P)HYPERTENSION(P)(INSULIN)

     FILE 'CAPLUS, EMBASE, MEDLINE' ENTERED AT 12:01:32 ON 03 MAY 2003

     FILE 'CAPLUS, EMBASE, MEDLINE' ENTERED AT 12:01:38 ON 03 MAY 2003
L2            89 S SOMATOSTATIN(P)HYPERTENSION(P)(INSULIN)
L3            46 DUP REM L2 (43 DUPLICATES REMOVED)

     FILE 'WPIDS' ENTERED AT 12:05:46 ON 03 MAY 2003
L4            17 S SOMATOSTATIN(P)HYPERTENSION

     FILE 'USPATFULL' ENTERED AT 12:06:40 ON 03 MAY 2003
L5            11 S SOMATOSTATIN(P)HYPERTENSION
```

```
=> s (insulin resist?)(P)syndrome x(P)oct?
         28297 INSULIN
       1153827 RESIST?
          2418 INSULIN RESIST?
                 (INSULIN(W)RESIST?)
         38092 SYNDROME
        811467 X
           432 SYNDROME X
                 (SYNDROME(W)X)
        433610 OCT?
L4           0 (INSULIN RESIST?)(P)SYNDROME X(P)OCT?

=> d his

     (FILE 'HOME' ENTERED AT 11:18:18 ON 03 MAY 2003)

     FILE 'USPATFULL' ENTERED AT 11:18:34 ON 03 MAY 2003
L1           319 S INSULIN(P)SYNDROME X
L2           288 S (INSULIN RESIST?)(P)SYNDROME X
L3             1 S (INSULIN RESIST?)(P)SYNDROME X(P)SOMATO?
L4             0 S (INSULIN RESIST?)(P)SYNDROME X(P)OCT?

=> s l2
         28297 INSULIN
       1153827 RESIST?
          2418 INSULIN RESIST?
                 (INSULIN(W)RESIST?)
         38092 SYNDROME
        811467 X
           432 SYNDROME X
                 (SYNDROME(W)X)
L5           288 (INSULIN RESIST?)(P)SYNDROME X
```

L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2
AN 1984:185956 CAPLUS
DN 100:185956
TI A super active cyclic hexapeptide analog of somatostatin
AU Veber, Daniel F.; Saperstein, Richard; Nutt, Ruth F.; Freidinger, Roger M.; Brady, Stephen F.; Curley, Paul; Perlow, Debra S.; Paleveda, William J.; Colton, C. Dylion; et al.
CS Merck Sharp and Dohme Res. Lab., West Point, PA, 19486, USA
SO Life Sci. (1984), 34(14), 1371-8
CODEN: LIFSAK; ISSN: 0024-3205
DT Journal
LA English
AB Cyclo(N-methyl-**Ala-Tyr-D-Trp-Lys-Val-Phe**) (I) [81377-02-8] was 50-100-fold more potent than cyclic somatostatin [38916-34-6] for the inhibition of insulin [9004-10-8], glucagon [9007-92-5] and growth hormone [9002-72-6] release as revealed by structure-**activity** studies of cyclic hexapeptide analogs of somatostatin in rats. The hydroxyl group of tyrosine conferred a 10-fold **enhancement** to the potency. Potency was also correlated with hydrophobicity. I improved the control of postprandial hyperglycemia in diabetic animals when given in combination with insulin. The analog was quite stable in the blood and in the gastrointestinal tract, but the bioavailability after oral administration was only 1-3%. The biol. properties and long duration of I should allow clin. evaluation of the inhibition of glucagon release as an adjunct to insulin in the treatment of patients with diabetes.